

June 1999

CURRICULUM VITAE

NAME: DALE EDWARD SQUIRES

ORGANIZATION:

National Oceanic & Atmospheric Administration
National Marine Fisheries Service
Southwest Fisheries Science Center
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PRESENT POSITION: Industry Economist

DISCIPLINE:

Economics with specialities in:

Natural and marine resource economics
Cost-benefit and project analysis
Economics of regulation and industrial economics
Economic development and planning
Production economics and price analysis
Applied econometrics and mathematical programming

EDUCATION:

Ph.D., Resource Economics, Cornell University, 1984
Major: Resource Economics
Minors: Southeast Asian Studies and Quantitative Methods
Fellowships: Foreign Language Area Studies (Indonesian), Sea Grant Scholar

M.S., Agricultural Economics, University of California,
Berkeley, 1974

B.S., Agricultural Economics, University of California,
Berkeley, 1973 (with honors)

American University of Beirut, Lebanon, 1970-1971

EXPERIENCE:

1991 - present	Adjunct Lecturer Graduate School of Inter. Relations & Pacific Studies University of California San Diego, California La Jolla, CA
1990	Visiting Professor Department of Economics University of Queensland Brisbane, Australia
1989 - present	Associate Adjunct Professor Department of Economics University of California San Diego, California La Jolla, CA
1984 - present	Industry Economist National Marine Fisheries Service La Jolla, CA
1984 - 1985	Lecturer Department of Economics San Diego State University San Diego, California
1982 - 1984	Industry Economist National Marine Fisheries Service Gloucester, MA
1979	Intern Agency for International Development Washington, D.C.
1977 - 1978	Senior Economics Officer Department of Fisheries Kota Kinabalu, Sabah, Malaysia
1975 - 1977	Assistant Professor Faculty of Economics and Management University of Agriculture Malaysia

1973 - 1974	Research Assistant Department of Agricultural and Resource Economics University of California, Berkeley Berkeley, CA
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RESEARCH INTERESTS:

Fisheries economics and management

HONORS AND AWARDS:

Sea Grant Scholar
Foreign Language Area Studies Fellowship (Indonesian)
B.S. with honors

PROFESSIONAL AFFILIATIONS:

Asian Fisheries Society
Agricultural Economics Society of Southeast Asia
American Economics Association
American Agricultural Economics Association
Common Property Resource Management Network

SERVICE ON SCIENTIFIC COMMITTEES:

1997	Ph.D. Committee Chair Faculty of Marine Sciences Universidad Autonoma de Baja California
1997 - 1999	Associate Editor American Journal of Agricultural Economics
1995	External Ph.D. Examiner Australian National University
1993 - 1994	Associate Editor Journal of Environmental Economics and Management
1992 - present	Editorial Board Natural Resource Modeling and Management
1992 - 1995	External Advisor for Faculty Appointments University of Agriculture Malaysia

1992

Editorial Council
Journal of Environmental Economics and Management

1991 - present	Advisory Board Journal of Environment and Development
1991 - present	International Environmental Policy Project University of California, San Diego
1991-present	Coastal Pelagics Fishery Management Team Pacific Fishery Management Council
1991, 1993	Latin American Workshop on Natural Resource Modeling, CICESE, Ensenada, Mexico
1989 - present	External Examiner Faculty of Economics and Management University of Agriculture Malaysia
1989 - present	Groundfish Management Team Pacific Fishery Management Council
1989 - 1990	Limited Entry Oversight Committee Pacific Fishery Management Council
1987 - 1989	Limited Entry Technical Advisory Group Pacific Fishery Management Council
1984 - 1986	Working Group on Limited Access Alternatives for Pacific Coast Groundfish Pacific Fishery Management Council

TITLE OF DISSERTATION:

Public Regulation and the Structure of Production in Multiproduct Industries: An Application to the New England Otter Trawl Fleet

PUBLICATIONS:

74. Kirkley, J., D. Squires, and I. Strand. In press, 1998. "Characterizing Managerial Skill and Technical Efficiency in a Fishery." **Journal of Productivity Analysis**.
73. Herrick, S., B. Rader, and D. Squires. 1997. "Access Fees and Resource Rents in the Western Pacific U.S. Purse Seine Tuna Fishery." **Marine Policy** 21(1).
72. Terry, J., G. Sylvia, D. Squires, W. Silverthorne, J. Seger, G. Munro, R. Marasco, D. Larson, J. Kirkley, L. Jacobson, S. Herrick, J. Gauvin, A. Gautam, S. Freese, and R. Baldwin. 1996. **Fixed Costs and Joint Cost Allocation in the Management of Pacific Whiting**. NOAA Technical Memorandum NMFS, Sept., 1996.
71. Grafton, R., D. Squires, and J. Kirkley. 1996. "Turning the Tide? Private Property Rights and the Crisis in Fisheries Management." **Contemporary Economic Policy** XIV(4).
70. Squires, D. and J. Kirkley, 1996. "Individual Tradable Quotas in a Multiproduct Common Property Industry." **Canadian Journal of Economics** 24(2).
69. Alam, F., Ishak Hj. Omar, and D. Squires. 1996. "Sustainable Resource Use, Economic Development, and Public Regulation: The Multiproduct Gillnet Fishery of Peninsular Malaysia." **Environmental and Resource Economics** 7(2).
68. Squires, D. and K. Salvanes, 1995. "Quasi-Concavity of Fixed Factors." Working Paper 10/95, Dept. of Economics, Norwegian School of Economics and Business Administration.
67. Salvanes, K. and D. Squires, 1995. "Managing and Valuing the Commons: An Inverse Derived Demand Approach." Working Paper 6/1994, Norwegian School of Economics and Business Administration.
66. Grafton, R., D. Squires, and K. Fox, 1995. "Common Resources, Private Rights and Economic Efficiency." Working Paper 9508E, Dept. of Economics, University of Ottawa.

65. Salvanes, K. and D. Squires. 1995. "Transferable Quotas, Enforcement Costs and Typical Firms: An Empirical Application to the Norwegian Trawler Fleet." **Environmental and Resource Economics** 6(1).
64. Kirkley, J., D. Squires, and I. Strand. 1995. "Technical Efficiency in the Mid-Atlantic Scallop Fishery." **American Journal of Agricultural Economics** 77(3).
63. Segerson, K. and D. Squires. 1995. "A Note on the Measurement of Capacity Utilization for Revenue-Maximizing Firms." **Bulletin of Economic Research** 47(1).
62. Freese, S., J. Glock, and D. Squires. 1995. "Direct Allocation of Resources in Fisheries Management: A Cost Benefit Analysis of the Pacific Whiting Fishery." **Marine Policy** 19(3).
61. Squires, D. and J. Kirkley. 1995. "Resource Rents from Single and Multispecies Individual Transferable Quota Programs." **ICES Journal of Marine Science** 52.
60. Squires, D., J. Kirkley, and C. Tisdell. 1995. "Individual Transferable Quotas as a Fishery Management Tool." **Reviews in Fisheries Science** 3(2).
59. Alauddin, M., D. Squires, and C. Tisdell, 1994. "Efficiency, Linkage and Factor-Proportion Approaches to Planning: An Inter-Industry Comparative Analysis." **Indian Journal of Quantitative Economics** 9(1).
58. Herrick, S., I. Strand, D. Squires, M. Miller, D. Lipton, J. Walden, and S. Freese. 1994. "Application of Benefit-Cost Analysis to Fisheries Allocation Decisions: The Case of Alaskan Pollock and Cod." **North American Journal of Fisheries Management**, 14.
57. Squires, D. 1994. "Sources of Growth in Marine Fishing Industries." **Marine Policy**, 18(1).
56. Squires, D., 1994. "Firm Behavior under Input Rationing." **Journal of Econometrics** 61(2).
55. Squires, D., M. Alauddin, and J. Kirkley, 1994. "Individual Transferable Quota Markets and Investment Decisions in the Fixed Gear Sablefish Industry." **Journal of Environmental**

Economics and Management 27(2).

- 54. Squires, D. and S. Tabor. 1994. "The Absorption of Labor in Indonesian Agriculture." **Journal of the Developing Economies**, 32(2).
- 53. Alauddin, M., D. Squires, and C. Tisdell, 1993. "Divergency between Average and Frontier Production Technologies: An Empirical Investigation for Bangladesh." **Applied Economics**, 25.
- 52. Segerson, K. and D. Squires, 1993. "Multiproduct Capacity Utilization under Regulatory Constraints." **Review of Economics and Statistics**, 75(1).
- 51. Freese, S. and D. Squires, 1993. "Cost-Benefit Analysis of Pacific Whiting Allocation." National Marine Fisheries Service.
- 50. Jackson, S. and D. Squires, 1992. "Chinese Labour Market Segmentation and Wage Growth in the State and Collective Sectors." Dept. of Economics, University of Queensland.
- 49. Freese, S. and D. Squires, 1992. "Cost-Benefit Analysis of Pacific Whiting Allocation." National Marine Fisheries Service.
- 48. Herrick, S., D. Squires, and J. Lee, 1992. "Documentation for the West Coast Fishing Fleet Cost-Earnings Data Base." SWFC Administrative Report LJ-92-23.
- 47. Hastie, J, D. Squires, D. "Integration of Japanese and United States Markets for Sablefish and Thornyheads." Conference proceedings of Sixth IIFET Conference, Paris, 1992.
- 46. Squires, D., 1992. "Productivity Measurement in Common Property Resource Industries." Conference proceedings of Sixth IIFET Conference, Paris, 1992.
- 45. Squires, D. 1992. "Multiproduct Supply under Production Quota." Conference proceedings of Sixth IIFET Conference, Paris, 1992.
- 44. Squires, D. 1992. "The Potential Effects of Individual Transferable Quotas in a Pacific Fishery." Conference proceedings of Sixth IIFET Conference, Paris, 1992.

43. Squires, D. and J. Kirkley, 1992. "Individual Transferable Quotas and Resource Rents: An Application of Price Endogenous Mathematical Programming." SWFC Administrative Report LJ-92-33.
42. Miller, M., S. Herrick, D. Squires, J. Walden, D. Lipton, and I. Strand, 1992. "A Cost-Benefit Analysis of Pollock and Cod Quota Allocations in the Bering Sea / Aleutian Islands and Gulf of Alaska Groundfish Fisheries." National Marine Fisheries Service, Washington, D.C.
41. Squires, D., M. Alauddin, and J. Kirkley, 1992. "The Potential Effects of Individual Transferable Quotas in the Fixed Gear Sablefish Fishery." SWFC Administrative Report LJ-92-08.
40. Squires, D., 1992. "Productivity Measurement in Common Property Resource Industries: An Application to Pacific Fisheries." **Rand Journal of Economics**, 23(2).
39. Lanfersieck, J. and D. Squires. 1992. "Planning Models for Individual Transferable Quotas." **Canadian Journal of Fisheries and Aquatic Sciences** 49.
38. Squires, D. and S. Tabor, 1991. "Technical Efficiency and Future Production Gains in Indonesian Agriculture." **Journal of the Developing Economies** 29(3).
37. Squires, D. and J. Kirkley, 1991. "Production Quota in Multiproduct Pacific Fisheries." **Journal of Environmental Economics and Management** 21(2).
36. Herrick, S. and D. Squires, 1990. "On Measuring Fishing Fleet Productivity: An Application to the U.S. Tropical Tuna Purse Seine Fleet," **Fishery Bulletin**, 88(1).

35. Pooley, S., S. Herrick, D. Squires, C. Thomson, and G. Silverthorne, 1991. "Southwest Fisheries Science Center and Southwest Region Economics Research Plan, 1990-1995." SWFC Administrative Report H-91-07.
34. Squires, D. 1991. "On the Measurement of Total Factor Productivity in Common Property Resource Industries and the Implications for License Limitation Programs." SWFC Administrative Report.
33. Squires, D. 1991. "The Potential Economic Benefits of Individual Transferable Quotas in the Eureka Deepwater Trawl Fishery." SWFC Administrative Report LJ-91-13.
32. Segerson, K. and D. Squires, 1990. "On the Measurement of Economic Capacity Utilization for Multiproduct Industries." **Journal of Econometrics**, 44.
31. Squires, D., C. Korson, and J. Lanfersick, 1990. "Overview of the Pacific Coast Groundfish and Pink Shrimp Fisheries, 1981-1989." SWFC Administrative Report LJ-90-17.
30. Squires, D., and S. Herrick, Jr., 1990. "Productivity Measurement in Common Property Resource Industries: Theory and an Application." SWFC Administrative Report LJ-90-18.
29. Squires, D. 1990. "Individual Transferable Quotas: Theory and and Application." SWFC Administrative Report LJ-90-16.
28. Robarts, C., L. Nguyen, and D. Squires, 1989. "Productivity Measurement in the Pacific Coast Trawl Fleet." SWFC Administrative Report LJ-89-25.
27. Herrick, S. and D. Squires, 1989. "Integration of United States, Thailand, and Philippines Canned Tuna Markets." **Asian Fisheries Science**, 3(1).
26. Squires, D., S. Herrick, and J. Hastie, 1989. "Integration of Japanese and United States Sablefish Markets." **Fishery Bulletin**, 87(2).
25. Kirkley, J. and D. Squires, 1988. "A Limited Information Approach for Determining Capital Stock and Investment in a Fishery." **Fishery Bulletin**, 86(2).
24. Squires, D., 1988. "Index Numbers and Productivity

Measurement in Multispecies Fisheries: An Application to the Pacific Coast Trawl Fleet," **NOAA Technical Report NMFS 67.**

23. Squires, D., 1988. "Production Technology, Costs, and Multiproduct Industry Structure: An Application of the Long-Run Profit Function to New England Fisheries," **Canadian Journal of Economics**, 21(2).
22. Squires, D. and D. Huppert, 1988. "Measuring Harvest Capacity in the Pacific Coast Groundfish Fleet." SWFC Administrative Report LJ-88-24.
21. Herrick, S., J. Lee, and D. Squires, 1988. "Documentation for the West Coast Fishing Fleet Cost-Earnings Data Base." SWFC Administrative Report LJ-88-04.
20. Squires, D., 1988. "Productivity Measurement in the Pacific Coast Trawl Fleet in 1986." SWFC Administrative Report LJ-88-11.
19. Squires, D. 1988. "Implications of Alternative Limited Access Criteria for the Pacific Coast Groundfish Fleet." SWFC Administrative Report LJ-88-01.
18. Squires, D., 1988. "Marine Aquaculture in California and Hawaii." In B. Siegel (ed.) **Aquaculture and Capture Fisheries: Impacts in U.S. Seafood Markets**. U.S. Dept. of Commerce, Washington, D.C.
17. Squires, D., 1987. "An Examination of Eureka Area Sablefish Trawl Landings: Implications for Sablefish Trip Quota Management." SWFC Administrative Report LJ-87-09.
16. Squires, D., 1987. "Public Regulation and the Structure of Production in Multiproduct Industries: An Application to the New England Otter Trawl Industry", **Rand Journal of Economics** 18(3).
15. Squires, D., 1987. "Fishing Effort: Its Testing, Specification, and Internal Structure in Fisheries Economics and Management." **Journal of Environmental Economics and Management** 14(3).
14. Squires, D., 1987. "Long-Run Profit Functions for Multiproduct Firms." **American Journal of Agricultural Economics** 69(3).

13. Squires, D. and S. Tabor, 1987. "Market Integration of Staple Food Commodities in Java." **Singapore Economic Review**, 32(2).
12. Huppert, D. and D. Squires, 1987. "Potential Economic Benefits and Optimum Fleet Size in the Pacific Coast Trawl Fleet." **Marine Resource Economics** 3(4).
11. Huppert, D. and D. Squires, 1987. "Potential Economic Benefits of Limited Entry." In D. Huppert (ed.) Limited Access Alternatives for the Pacific Groundfish Fishery. **NOAA Technical Report NMFS 52**.
10. Squires, D., 1986. "Ex-Vessel Price Linkages in the New England Fishing Industry", **Fishery Bulletin** 84(2).
9. Huppert, D. and D. Squires, 1986. "Potential Economic Benefits of Limited Access in the Pacific Coast Trawl Fishery: A Linear Programming Approach." SWFC Administrative Report LJ-86-01.
8. Squires, D., 1986. "Productivity Measurement in the Pacific Coast Trawl Fleet." SWFC Administrative Report LJ-86-24.
7. Squires, D., E. Ueber, and D. Huppert, 1986. "Report on the 1981-1983 Trawl Vessel Cost and Returns Data Base." SWFC Administrative Report LJ-86-23.
6. Squires, D., J. Mueller, R. Reidman, and J. Kirkley, 1985. Book Review of M. Dewar, **Industry in Trouble in Marine Resource Economics** 1(3).
5. Conrad, J., J. Kirkley, and D. Squires, 1984. "Lectures on the Economics of Fisheries Production," **NOAA Technical Memorandum NMFS F/NWC-60**.
4. Tabor, S. and D. Squires, 1982. "Marketing Margins of Secondary Crops in Indonesia", **Ekonomi dan Keuangan Indonesia** 30(3).
3. Squires, D., 1980. "Costs and Earnings of Small-Scale Capture Fishermen in the Kota Kinabalu and Tuaran Districts of Sabah." **Bulletin of the Society for Agricultural Scientists, Sabah** 3(2).

2. Russell, P., D. Dijkerman, J. Dorman, and D. Squires, 1979.
Food Aid in Sub-Saharan Africa, Two Volumes, U.S. Agency
for International Development, Washington, D.C.
1. Nair, Y., F. Haque, A. Prouty, and D. Squires, 1978.
"Smallholders' Development Planning: Problems and Data
Requirements." **Bulletin of the Society for Agricultural
Scientists, Sabah** 2(1).